U.S. Department of Energy

Performance and Accountability Report

Fiscal Year 2004

APPENDICES

Glossary of Acronyms

** A **	
	Advanced Boiling Water Reactor
	Advanced Fuel Cycle Initiative
AFV	
ALRC	
AMAZED	
	Advanced Mixed Waste Treatment Project
	Argonne National Laboratory –West
	Asian Pacific Economic Cooperation
	Annual Performance Plan
	Advanced Pressurized Water Reactor 600
ARES	Advanced Reciprocating Engine System
ARM	Atmospheric Radiation Measurement
ASC	Advanced Simulation and Computing Campaign
ASCAC	Advanced Scientific Computing Advisory Committee
	Advanced Simulation and Computing Initiative
ASCR	Advanced Scientific Computing Research
ATLAS	A Toroidal LHC Apparatus
** B **	
BDMS	Blend-Down Monitoring Systems
BER	Biological and Environmental Research
BES	
	Basic Energy Sciences Advisory Committee
	Bureau of Labor and Statistics
	Brookhaven National Laboratory
BOP	
BTU	
BWR	
D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dolling Water Reactor
C	
C2	Command and Control
CALM	Capability for Advanced Loading Missions
CANDU	Canada Deuterium Uranium
CAP	
	Cooperative Automotive Research
	Consolidated Business Center
CBFO	
	Clean Coal Power Initiative
CD	
	Continuous Electron Beam Accelerator Facility
	Council of Energy Resource Tribes
	Consortium for Electric Reliability Technology Solution
CF	
	Computational Fluid Dynamics
CFF	
CHP	Combined Heat and Power

Cm	Curium
	Chemistry and Metallurgy Research Facility Replacement
CMS	
CO2	
COE	
	Construction and Operating License
COMETS	Crude Oil Movement and Event Tracking System
CP	
	Control Performance Standards
	Consolidated Quarterly Performance Results
	Cooperative Research and Development AgreementControlled Removable Electronic Media
CREWI	Controlled Removable Electronic Media
** D **	
DARHT	Dual-Axis Radiographic Hydrotest
DBT	
DEMP	Departmental Energy Management Program
	Distributed Energy Resource
DG	
DNA	
DNS	
DOD	
DOE	
DP	
	Design Review and Acceptance Group
	Defense Support Program
DSW	
	Directed Stockpile Work
E	
ECP	
	Engineering Development Units
	Early Entrance Co-Production Plant
	Engineering Evaluation Release
	Office of Energy Efficiency and Renewable Energy
EGS	Enhanced Geothermal System
EIA	Energy Information Administration
EIPP	Eastern Interconnection Phasor Project
EIS	Environmental Impact Statement
EM	Office of Environmental Management/Environmental Management
EMCAL	Electro-Magnetic Calorimeter
	Environmental Molecular Science Laboratory
	Environmental Protection Agency
	European Pressurized Water Reactor
	Electric Power Research Institute
	Experimental Breeder Reactor II
	Emergency Response Database System
ESnet	
	Energy Savings Performance Contract
	Elimination of Weapons Grade Plutonium Production
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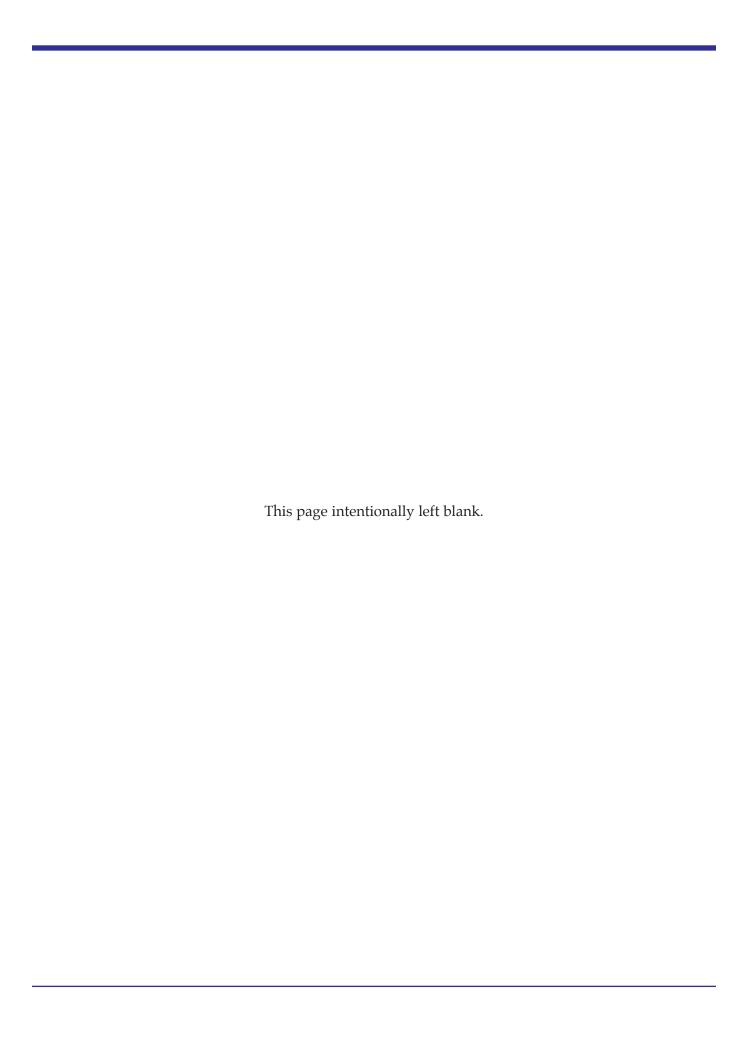
** F **	
FCE	Fuel Cell Energy
FCI	Facility Condition Index
FE	
	Federal Energy Management Program
	Federal Energy Regulatory Commission
FES	Fusion Energy Sciences
FFMIA	Federal Financial Management Improvement Act
FFTF	
	Facilities and Infrastructure Recapitalization Program
	Federal Manager's Financial Integrity Act
	Fermi National Accelerator Laboratory
FSED	Full-Scale Engineering Development
FUSRAP	Formerly Utilized Sites Remedial Action Program
FXR	
	Future-Year Nuclear Security Program
	, 0
** G **	C
	Government Accountability Office
	Grams per Brake-Horsepower-Hour
	Gas Hydrate and Sediment Test Laboratory Instrument
GHz	Gigahertz
	Government Performance and Results Act
	Global Positioning System
GSF	Gross Square Feet
** H **	
H2	Hydrogen
HEP	High Energy Physics
HEP HEU	High Energy Physics Highly Enriched Uranium
HEU Hg	High Energy Physics Highly Enriched Uranium Mercury
HEU Hg	High Energy Physics Highly Enriched Uranium Mercury High-Level Radioactive Waste
HEPHEUHgHLWHP	High Energy Physics Highly Enriched Uranium Mercury High-Level Radioactive Waste High Pressure
HEP HEU Hg HLW HP HRIBF	High Energy PhysicsHighly Enriched UraniumMercuryHigh-Level Radioactive WasteHigh PressureHigh Radioactive Ion Beam Facility
HEP HEU Hg HLW HP HRIBF HT	High Energy PhysicsHighly Enriched UraniumMercuryHigh-Level Radioactive WasteHigh PressureHolifield Radioactive Ion Beam FacilityHigh TemperatureHigh Temperature
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HEP HEU Hg HP HRIBF HT HTHP HTS HVAC	High Energy PhysicsHighly Enriched UraniumMercuryHigh-Level Radioactive WasteHigh PressureHolifield Radioactive Ion Beam FacilityHigh TemperatureHigh TemperatureHigh Temperature-High PressureHigh Temperature Superconductivity
HEP HEU Hg	High Energy PhysicsHighly Enriched UraniumMercuryHigh-Level Radioactive WasteHigh PressureHolifield Radioactive Ion Beam FacilityHigh TemperatureHigh Temperature-High PressureHigh Temperature SuperconductivityHeating, Ventilation, and Air Conditioning
HEP HEU Hg. HLW. HP HRIBF HT HTHP HTS HVAC **I** IA	High Energy PhysicsHighly Enriched UraniumMercuryHigh-Level Radioactive WasteHigh PressureHolifield Radioactive Ion Beam FacilityHigh TemperatureHigh Temperature-High PressureHigh Temperature SuperconductivityHigh Temperature SuperconductivityHeating, Ventilation, and Air Conditioning
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HEP HEU Hg. HLW. HP HRIBF HT HTHP HTS HVAC **I** IA IAEA ICBM ICF	High Energy PhysicsHighly Enriched UraniumMercuryHigh-Level Radioactive WasteHigh PressureHolifield Radioactive Ion Beam FacilityHigh TemperatureHigh Temperature-High PressureHigh Temperature SuperconductivityHeating, Ventilation, and Air ConditioningImplementing AgreementInternational Atomic Energy AgencyIntercontinental Ballistic MissilesInertial Confinement Fusion
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HEP HEU Hg HLW HP HRIBF HT HTHP HTS HVAC **I** IA IAEA ICBM ICF ICRF IDW IECC IG IGCC	High Energy PhysicsHighly Enriched UraniumMercuryHigh-Level Radioactive WasteHigh PressureHolifield Radioactive Ion Beam FacilityHigh TemperatureHigh Temperature-High PressureHigh Temperature SuperconductivityHeating, Ventilation, and Air ConditioningImplementing AgreementInternational Atomic Energy AgencyIntercontinental Ballistic MissilesInertial Confinement FusionIon Cyclotron Radio FrequencyI-MANAGE Data WarehouseInternational Energy Conservation CodeInspector GeneralIntegrated Gasification Combined Cycle
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HEP HEU Hg	High Energy PhysicsHighly Enriched UraniumMercuryHigh-Level Radioactive WasteHigh PressureHolifield Radioactive Ion Beam FacilityHigh TemperatureHigh Temperature-High PressureHigh Temperature SuperconductivityHeating, Ventilation, and Air ConditioningImplementing AgreementInternational Atomic Energy AgencyIntercontinental Ballistic MissilesInertial Confinement FusionIon Cyclotron Radio FrequencyI-MANAGE Data WarehouseInternational Energy Conservation CodeInspector GeneralIntegrated Gasification Combined Cycle

	Intensive Operations Period
	International Partnership for the Hydrogen Economy
IPIA	.Improper Payments Information Act
IPIS	.Integrated Pit Inspection Station
IPP	.Initiatives for Proliferation Prevention
ISO	.International Standards Organization
	International Science and Technology Center
	International Thermonuclear Experimental Reactor
ITM	<u>*</u>
	1.011 1.0110 p 0.14 1.101.10 1.0110
J	
JAERI	.Japan Atomic Energy Research Institute
IASPER	Joint Actinide Shock Physics Experimental Research
JET	
JGI	
JIP	
JII	John maasty 1 tojects
** K **	
KW	Kilowatt
10,1	
L	
LA	.License Application
LANL	.Los Alamos National Laboratory
	.Los Alamos Neutron Science Center
	Laboratory for Comparative and Functional Genomics
LEP	
LEU	
LHC	Lith angles Calvan damassa Ahfamassa (Camasa)
	Lithoraphy Galvanoformung Abformung (German)
LLW	
LM	Legacy Management
LSN	
LWR	
LWST	.Low Wind Speed Turbine
AP, AP, 70. MF AP, AP.	
** M **	
	.Management and Reporting System
	.Molten Carbonate Fuel Cell
MCO	<u>*</u>
	.Microsystem and Engineering Science Application
MIDCARB	.Midcontinent Interactive Digital Carbon Atlas and Relational Database
MIE	.Major Items of Equipment
MIT	.Massachusetts Institute of Technology
MLLW	
MOX	
	.Material Protection Control and Accountability
MPF	
	.Magnetic Resonance Imaging
MSP	Managed Staffing Plan
MT	Metric Tons
	.Metric Tons of Heavy Metal
MV	
MW	iviegawati

** N **	
NAAQS	National Ambient Air Quality Standards
	North American Energy Working Group
	National Aeronautics and Space Administration
	National Carbon Sequestration Database and Geographic Information System
	National Compact Stellarator Experiment
NCTS	NIF Cryogenic Target System
NE	Office of Nuclear Energy, Research, and Technology
	National Energy Policy
	North American Electric Reliability Council
	Nuclear Energy Research Initiative
	National Energy Research Scientific Computing Center
NESS	Nuclear Explosive Safety Study
	National Energy Technology Laboratory
	National Fenestration Rating Council
	Next Generation Computer Architecture
	Next Generation Nuclear Plant
	National Industrial Competitiveness through Energy, Environment, and Economics
NIF	National Ignition Facility
NLC	
	National Nuclear Security Administration
NOx	
NP	
NPR	Nuclear Posture Review
	Nuclear Regulatory Commission
	Nanoscale Science Research Center
NTS	
	Nuclear Weapons Council
	Nuclear Weapons Incident Response
	Nuclear Waste Policy Act
0	
OCDIANA	Office of Independent Oversight and Performance Assurance
	Office of Civilian Radioactive Waste Management
	Ocean Drilling Program
	Office of Electric Transmission and Distribution
	Office of Industrial Technologies
	Operation and Maintenance
	Office of Management and Budget
	Office of Management, Budget and Evaluation
	Office of National Transportation
	Oak Ridge National Laboratory
O5RP	Off-Site Source Recovery Program
** P **	
PAC	Physics Advisory Committee
PAR	Performance and Accountability Report
PART	Program Assessment Rating Tool
PB-1	
PCD	Production Control Document
PDCF	Pit Disassembly and Conversion Facility

	Project Engineering Design
	Production Genomics Facility
PM	Particulate Matter
PMA	President's Management Agenda
PNNL	Pacific Northwest National Laboratory
Pu	Plutonium
PV	
	Pressurized Water Reactor
** Q **	
QCD	Quantum Chromodynamics
QMU	Quantitative Margins and Uncertainties
** R **	
	Recordable Accident Frequency Rate
	Radiological Assistance Program
RBMK	Reactor Bolshoi Moshchnosti Kanalnyi
R&D	Research and Development
RD&D	Research, Development, and Demonstration
RDD	Radiological Dispersal Devices
	Roentgen Equivalent Man
RERTR	Reduced Enrichment Research and Test Reactor
RF	
	Relativistic Heavy Ion Collider
	Rare Isotope Accelerator
	Scientific Research Institute of Atomic Reactors (Russian)
	Robust Nuclear Earth Penetrator
	Risk Reduction Efficiency Factor
	Readiness in Technical Base and Facilities
	Russian Transition Initiative
KIO	Regional Transmission Organization
** S **	
_	Space and Atmospheric Burst Reporting System
SAIDI	System Average Interruption Duration Index
	Standard Budget System
SC	
	South Carolina Department of Health and Environmental Control
SCE	±
	Scientific Discovery through Advanced Computing
	Solid State Energy Conversion Alliance
SGT	Safeguaru Transporters
	Stanford Linear Accelerator Center
	Sea-Launched Ballistic Missile
SLD	
	Special Monitoring Visits
SNF	
	Sandia National Laboratory
	Sudbury Neutrino Observatory
	Spallation Neutron Source
SOFC	Solid Oxide Fuel Cell
	Strategic Petroleum Reserve

SRR	Seismic Research Review
	Savannah River Site
	Stockpile Stewardship Program
	Stanford Synchrotron Radiation Laboratory
STA	Secure Transportation Asset
STARS	Standard Accounting and Reporting System
	Stockpile to Target Sequence
	Solid Waste Storage Area 4
0,10111	
** T **	
	Tritium Extraction Facility
TeraOPS	Trillions of Operations per Second
	Tokamak Fusion Test Reactor
TGA	Thermogravimetric Analyzer
	Tetrahydrofuran
	Thomas Jefferson National Accelerator Facility
	Transparency Monitoring Office
	Tritium-Producing Burnable Absorber Rods
TPC	Total Project Cost
	Test Reactor Area
TRU	
	Tritium Systems Test Assembly
	Transformational Technology Core
TVA	Tennessee Valley Authority
** U **	
_	University of California Los Angeles
	Ural Electrochemical Integrated Plant
	University Program
	Uranium Extraction Plus
	United States Industry Coalition
** V **	
	All-Russian Scientific Research Institute of Experimental Physics (Russian)
VVER	Water-cooled, Water-moderated Energy Reactor (Russian)
** W **	
	Waste Isolation Pilot Plant
** X **	•
** Y **	
** Z **	



Improper Payments Information Act Reporting Details

1. Risk Assessment & Program Inventory

Federal agencies are required to review all programs and activities they administer and identify those which may be susceptible to significant erroneous payments. Based on these reviews, each agency must develop projections of annual improper payment rates and establish a program inventory to include programs subject to "significant risk."

After completing a review of all Departmental payments, it was determined that DOE does not have any payment programs subject to significant risk. The Department does not have any of the major benefit or entitlement programs normally associated with high risk of improper payments, and the review indicated that all payments remitted by, or on behalf of DOE, were similar in character and risk.

The Department's overall improper payment rate is .09 percent, well below the 2.5 percent risk threshold. Because no Departmental programs are subject to significant risk and all payments are similar in character, it was determined that a single Departmental rate, inclusive of all DOE elements, would be used to measure and monitor improper payment risk.

While the Department has no specific programs required to be separately identified in a "Program Inventory," since FY 2002, all of our administrative payments have been grouped and tracked in four major categories. These categories vendor/contractor, travel, payroll¹, and other. Erroneous payment data for each of these four categories is collected and reported quarterly by each of the Department's Federal payment centers including our power marketing administrations and the Federal Energy Regulatory Commission, and by each of our major facilities management contractors that operate our laboratory and production facilities.

2. Statistical Sampling Methodology

While the Department has no specific program inventory subject to the statistical sampling requirement, statistical sampling is utilized at Departmental payment sites to project erroneous payments in each of the four categories identified above. Quarterly, each payment site identifies its erroneous payment rates by reviewing a statistically valid sample² of payment activity and projecting results to the universe of payments or by evaluating data from local systems that have the capability of tracking and reporting on actual erroneous payment activity for a given period. In addition, payment sites may use a variety of other tools and techniques for reviewing erroneous payments including payment audits, data mining and the use of audit sampling software.

3. Corrective Action

The Department has maintained its improper payment percentage at an extremely low level, well below the 2.5% threshold for at-risk programs. Based on this level of performance, no specific Departmental corrective actions have been identified. However, the Department continues to monitor payment activity and requires individual payment sites whose local rate exceeds 1/10 of 1 percent to identify and track corrective actions to reduce the rate. Sites who approach or exceed 1 percent must prepare a formal corrective action plan to be tracked centrally at Headquarters. Currently the vast majority of sites are below these targets. The sites above target have identified appropriate corrective actions.

¹ Due to the outsourcing of the Department's payroll function, erroneous payment data for Federal payroll activities is not available pending a determination by our service provider on how to satisfy the erroneous payment reporting requirements for all their customer agencies. Federal payroll payments generally represent about 2.8% of total payments made by the Department.

² Departmental guidance requires samples to provide a 95 percent assurance level.

4. Improper Payment Outlook

As noted in the chart below, the Department's extremely low improper payment rate minimizes the Department's opportunities for future reduc-

tions and increases the likelihood of rate fluctuations as very small variations in erroneous payment dollars drives more significant changes when viewed as a rate.

Improper Payment Reduction Outlook FY 2003 – FY 2007 (\$ in millions)						
Class of Payment/Program	FY 04 Outlays/Payments	FY 04 IP%	FY 04 IP\$	FY 05 IP%	FY 06 IP%	FY 07 IP%
Payroll	\$ 7,320	.05	3.8	<.25	<.25	<.25
Travel	\$ 363	.17	0.6	<.25	<.25	<.25
Vendors	\$15,604	.10	15.8	<.25	<.25	<.25
Other	\$ 352	.01	0.1	<.25	<.25	<.25
Note: Federal payroll not included due to outsourcing of this function. See footnote 1 on page one of this appendix.						

5. Recovery Auditing

P.L. 107–107, "National Defense Authorization Act for FY 2002," requires agencies that enter into contracts with a total value in excess of \$500 million in a fiscal year to carry out a cost effective program for identifying overpayments to contractors, and for recovering amounts overpaid. OMB memorandum M-03-07, "Programs to Identify and Recover Erroneous Payments," requires agencies to review their contractor payments for errors resulting in overpayments (recovery audit), take action to recover those overpayments, and report the results

of these activities to OMB on an annual basis.

In March of 2004, the Department issued "Implementation Guidance for Recovery Audit Programs" to ensure well coordinated recovery auditing activities across the DOE complex. Various tools and techniques were utilized in performing recovery audits including statistical sampling, data mining, payment audits and hiring of a recovery auditing contractor³. The data resulting from our recovery audit activities is summarized above.

Recovery Auditing Statistics FY 2003 (\$ in millions)		
Contractor Payments Reviewed	\$ 11,944	
Contractor Overpayments Identified	\$ 6.0	
Overpayments Recovered	\$ 6.0	
Overpayments Pending Recovery	\$ 0.0	
Overpayments Not Recoverable	\$ 0.0	
Total Cost of Recovery Audit Program	\$ 0.4	
Departmental Costs	\$ 0.4	
Recovery Auditing Contractor Costs	\$.02	

³ A commercial recovery audit firm was utilized at one of the Department's major facilities management contractors. Overall the audit identified minimal overpayments and the total cost of identification and recovery exceeded the amounts recovered, supporting the Department's initial assessment of limited risk and our approach of in-house recovery activities.

6. Management Accountability

The Department has established a specific "Proud-to-Be" goal for the PMA related to monitoring improper payment activity. Specifically, we have committed to taking actions to reduce the erroneous payment percentage at sites with rates exceeding 1/10 of 1 percent. Individual payment sites whose local rate exceeds this target are required to identify and track corrective actions to reduce the rate. Sites who approach or exceed 1 percent must prepare a formal corrective action plan to be tracked centrally at Headquarters. Senior management performance plans are tied to accomplishment of PMA objectives and, therefore, a direct link has been established to foster an environment of management accountability.

7. Information systems

DOE believes its information systems are adequate for maintaining improper payment rates at targeted levels consistent with sound financial management.

8. Legislative barriers

The Department has identified no legislative barriers that limit our ability to minimize improper payments.

9. Additional Comments

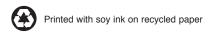
None

We welcome your comments on how we can improve the Department of Energy's Performance and Accountability Report.

Please provide comments and requests for additional copies to:

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or (301) 903-2551





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